

Battery Installation

Install 2 AA Alkaline batteries by removing the battery holder from the back of the timer and inserting the batteries as indicated. Replace the battery holder back.

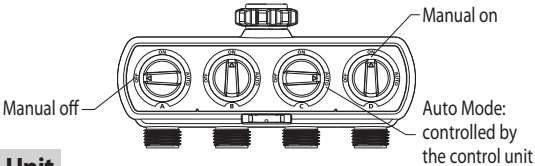
Please change fresh batteries if the battery low indicator **LOW** appear on the LCD display.

Recycle batteries after use.
Please do not use rechargeable battery.

Valve Unit

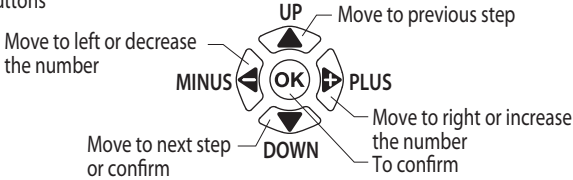
This valve unit can be used as regular manifold or together with controller as a 4-valve timer.

- 1. Manifold
 - A. Manual On: turn the knob to the “ON” position
 - B. Manual Off: turn the knob to the “OFF” position
 - 2. 4-valve timer
 - A. Auto Mode: turn the knob to the “AUTO” position
- ** Ensure the wire connected to the programmed controller before switch to the Auto Mode.



Control Unit

Setup Buttons



- 1. By holding the **LEFT/RIGHT** button, the number will change rapidly. A tap will cause a stepped change.
- 2. Keep pressing for 10 seconds to reset the timer and change time to 12 or 24 hour.

Basic Setting

- 1. Set Current Time
 - Pushing **LEFT/RIGHT** button to decrease / increase time to the current time
 - Pushing **DOWN** or **OK** button to confirm.

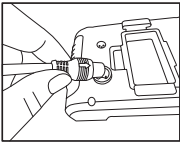
Clock is set on 12-hour time. To change to 24-hour time, press **OK** for 10 seconds. To return to 12-hour time, press **OK** for 10 seconds again.
- 2. Set Current Day
 - Pushing **LEFT/RIGHT** button to move the indicator **□** to today’s day of week. (e.g. “TU” for Tuesday). Pushing **DOWN** or **OK** to confirm
- 3. Select Water Day
 - There are 3 kinds of watering day setup for better selection.
 - A. Fixed weekday watering
 - Pushing **LEFT/RIGHT** to move the flashing tear drop **△** to the desired watering day of the week.
 - Pushing **OK** to confirm **▲** or cancel **△** the watering day of the week.
 - Repeat the steps until “SA”.
 - B. Every other 2 days watering
 - Pushing **LEFT/RIGHT** to move the flashing tear drop **△** to the position “2nd”.
 - Pushing **OK** to confirm. It will automatically set water day for every 2 days.
 - C. Every other 3 days watering
 - Pushing **LEFT/RIGHT** to move the flashing tear drop **△** to the position “3rd”.
 - Pushing **OK** to confirm. It will automatically set water day for every 3 days.

Note: you must at least set one watering day to move to the next step.

Pushing **DOWN** to next step.

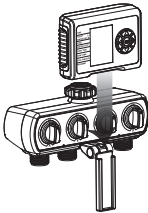
Installation

- 1. Attach the valve unit to faucet and hose.
- 2. Insert the bracket into the valve unit.
- 3. Plug the wire from the valve unit into the control unit.



** Either wired the control unit before or after programming is acceptable

- 4. Sliding the control unit onto the bracket



- 5. Open the faucet and leave it open. Water will come on and shut-off at the selected time

Note: this timer can be programmed before installation.

Programming

- 1. Select Zone: you may set up to 4 zones. Each zone represents one of the outlets.
 - Pushing **LEFT/RIGHT** to move the indicator **□** to “A”.
 - Pushing **DOWN** or **OK** to confirm to start setting up zone **A**.
 - 2. Select Water Cycle 1
 - A. Pushing **LEFT/RIGHT** to move the indicator **□** to “1”.
 - Pushing **DOWN** or **OK** to confirm to start setting up the 1st watering cycle **1**.
 - B. Set Start Time
 - Pushing **LEFT/RIGHT** to decrease / increase time to the required watering start time.
 - Pushing **DOWN** or **OK** to confirm to next step.
 - C. Set How Long
 - Pushing **LEFT/RIGHT** to decrease / increase the duration (up to 240 minutes).
 - Pushing **DOWN** or **OK** to confirm to next step.
 - D. Activate Eco Function: simply set up WATER and PAUSE MIN.
 - a. Set up WATER MIN:
 - Pushing **LEFT/RIGHT** to decrease / increase the WATER duration (the maximum interval is 19MIN).
 - b. Set up PAUSE MIN:
 - Pushing **LEFT/RIGHT** to decrease / increase the PAUSE duration (the maximum interval is 19MIN).
- The Eco Function creates a pause watering cycle, which provides absorption time for the soil. It can also prevent water run-off.
- WATER MIN and PAUSE MIN can be customized according to different applications (e.g. irrigation or lawn & garden), landforms (e.g. flat or mountain slope) and soil density (e.g. high as soil or low as sand).
- 3 examples and suggestions as below:
- a. Irrigation: WATER 5 MIN PAUSE 2 MIN
 - b. Lawn – flat: WATER 4 MIN PAUSE 1 MIN
 - c. Lawn – slope: WATER 2 MIN PAUSE 2 MIN
- Note: you can skip this setting if not needed

- 3. Routine the set up of WATER CYCLE 2, 3 until 4.

Note: once the ECO function is activated, the set interval is applied on all the set water cycles.

- 4. Routine the step 1,2 & 3 to finish setting for all zones.

You have now completed all the programming.

Activate Programming

- 1. Pushing **LEFT/RIGHT** to move the indicator **□** to “AUTO”.
- 2. Pushing **DOWN** or **OK** to confirm **AUTO**.

Rain Delay

In the event of predicted rainfall, you can suspend set program for up to 6 days from the time you set the “DELAY”.

- 1. Pushing **LEFT/RIGHT** to move the indicator **□** to “DELAY”.
- 2. Pushing **DOWN** or **OK** to confirm **DELAY**.
- 3. Pushing **LEFT/RIGHT** to decrease / increase the “DELAY _ DAY”
- 4. Pushing **DOWN** or **OK** twice to confirm.

Manual Watering

During non-watering time, you may activate this mode to start watering.

- 1. Pushing **LEFT/RIGHT** to move the indicator **□** to “MANUAL”.
- 2. Pushing **DOWN** or **OK** to confirm to start the manual mode **MANUAL**.
- 3. Programming: routine the programming steps as following:
 - A. Select Zone
 - B. Set How Long
 - C. Activate Eco Function: simply set up WATER and PAUSE MIN.
 - Note: you can skip this setting if no need to activate this function
 - D. Set up zone B
 - a. Pushing **UP** to the “ZONE” setting.
 - Pushing **RIGHT** to move the indicator **□** to “B”.
 - Pushing **DOWN** or **OK** to confirm to start setting up zone “B” **B**.
 - E. Routine the step A B & C to set up rest of zones and then pushing **DOWN** or **OK** twice to cofirm completing the manual setting.

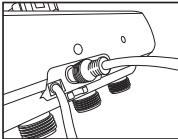
Disabling the Program

In the case of suspending automatic watering for an extended period,

- 1. Pushing **LEFT/RIGHT** to move the indicator **□** to “OFF”.
- 2. Pushing **DOWN** or **OK** to confirm **OFF**.

Care and Maintenance

- 1. For outdoor use only.
- 2. Operating water pressure: under 100 PSI.
- 3. Operating water temperature: 32°F (0°C) ~ 100°F(38°C).
- 4. During non-watering season (e.g. winter)
 - A. Turn off the faucet and remove the control unit from the valve unit.
 - B. Remove the batteries from the control unit.
 - C. Remove the bracket from the valve unit.
 - D. Manual on the valve unit to drain out water and remove the valve unit from the faucet.
 - E. Plug the wire into the recess of the valve unit.



- F. Dry the controller & valve unit and store in a dry place.